SDS/FMS RELEASE NOTES (RELEASE 2.100 CHANGES)

Support for ESRI Geodatabase
Addition of new fields for ESRI Geodatabase support

Beginning with Release 2.100, the SDSFIE introduces a new tool that builds ESRI Personal Geodatabases. Properly coding the structure of these Geodatabases requires three new fields to be added to the SDSFIE/FMSFIE. Within the ESRI Geodatabase structure, each Feature Class (corresponding to the SDSFIE Entity Type) resides within a "Feature Dataset". These roughly correspond to one or more SDSFIE Entity Classes. Therefore, a new field has been added to the SDSFIE/FMSFIE Entity Classes called "FEATURE DATASET".   It contains the Geodatabase constrained name for the Feature Dataset. Additionally, two new fields have been added to Entity Types. These are "FEATURE CLASS NAME" which contains the Entity Type equivalent name constrained to the limits of the Geodatabase (Oracle – 30 characters), and "DEFAULT SUBTYPE", which contains the discriminator value associated with the Feature if no subtype is specified. This is a peculiar requirement of ESRI's Geodatabase format.

To support these new fields, an additional Browser option is provided for Geodatabases in the newest version.   If this GIS Option is selected, these fields are visible in Entity Classes, Entity Types, and Features.

NOTE: A version of the SDSFIE/FMSFIE Release 2.000 is available with these fields populated. This modified Release is available from the CADD/GIS Technology Center or on the web site http://tsc.wes.army.mil. This modified Release 2.000 is required to support the Personal Geodatabase Builder.

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Entity Set Summary Change Information

Auditory	Boundary	Buildings	Cadastre
Climate	Common	Communications	Cultural
Demographics	Ecology	Env Hazards	Fauna
Flora	Future Projects	Geodetic	Geology
Hydrography	Improvement	Land Status	Landform
Military Operations	Olfactory	Soil	Transportation
Utilities	Visual		

Database Administrator Summary Change Information

Newly Added Data Tables	Deleted Data Tables
New Attributes in Existing Tables	Deleted Attributes
Data Length Changes	New List Domain Tables
Deleted Domain Tables	New List Domain Values
Modified/Deleted Domain Values	

-- Release Note Script for auditory

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- Release Note Script for boundary

No New Entity Classes in this Set

New Entity Types:

emergency_medical_service_area **G/GT Polygon** A geographic area
under the responsibility of an emergency medical service.

Add the Discriminator Value:

Prefecture to the Entity Types political_border_line and
political_jurisdiction_area

No New Tables in this Set

-- Release Note Script for buildings

No New Entity Classes:
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New Entity Types:

carport_site   Point/Polygon   A roofed structure, generally with out wall, used for the purpose of sheltering vehicles

miscellaneous_building_line   String/Chain   Miscellaneous building lines that do not make up the building boundary

Add the Discriminator Value **Existing** the Entity Type structure_existing_site

No New Data Tables:

-- Release Note Script for cadastre

No New Entity Classes in this Set

New Entity Types:

blm_label_point   **Point**   A label as identified within the
BLM GCDB.

blm_node_point   **Point**   This is a node as defined by the
BLM Geographic Coordinate Database.

blm_control_point   **Point**   A control point as defined by the
BLM in the Geographic Coordinate Data Base.

blm_arc_line   **String/Chain**   This is a BLM PLS Arc.

quarter_section_area   **G/GT Polygon**   A quarter section of land as
defined by the BLM.

transverse_line   **String/Chain**   The bearings and distances used
to describe either a closed or open traverse

New Data Tables:
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cdplsarc   This table contains data about Public Land Survey System arcs.

cdplsctr   This table contains data about Public Land Survey System control
points

cdplslab   This table contains data about Public Land Survey System labels.

cdplsnod   This table contains data about Public Land Survey System nodes.

cdplsqtr   This table contains data about Public Land Survey System quarter
section areas.

cdreltra   This table contains information about the bearings and distances
used to describe either a closed or open traverse.

-- Release Note Script for climate

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- Release Note Script for common

No New Entity Classes in this Set

No New Entity Types in this Set

New Data Tables:

cmgenevt   This table contains information about events.

-- Release Note Script for communications

No New Entity Classes in this Set

No New Entity Types in this Set

No New Data Tables in this Set

-- Release Note Script for cultural

No New Entity Classes in this Set

No New Entity Types in this Set

New Tables

crgenevt   This table contains information about a cultural occurrence.

-- Release Note Script for demographics

No New Entity Classes in this Set

No New Entity Types in this Set

No New Data Tables in this Set

-- Release Note Script for ecology

No New Entity Classes in this Set

No New Entity Types in this Set

No New Data Tables in this Set o New Tables in this Set

-- Release Note Script for environmental_hazards

No New Entity Classes in this Set

New Entity Types:

contained_munitions_storage_site   Point/Polygon   The controlled location of spent munitions or pieces of munitions.

rifle_management_unit_site   Point/Polygon   A geographic area either currently or formerly used for rifle training activities which is managed and monitored for compliance with environmental laws and regulations.

New Entities:

Add the Entities

ehhmw_hazmat_storage_area_p   to   contained_hazmat_storage_site

ehhmw_hazwaste_storage_area_p   to   contained_hazwaste_storage_site

Add the Discriminator Values **CERCLA**, **RCRA,** and **SWMU** to the Entity Type environmental_restoration_site

New Data Tables:

ehhmwmsl   This table contains information about the controlled location of spent munitions or pieces of munitions.

ehsitrmu   This table contains information about a geographic area either currently or formerly used for rifle training activities which is managed and monitored for compliance with environmental laws and regulations.

-- Release Note Script for fauna

No New Entity Classes in this Set

No New Entity Types in this Set

No New Data Tables in this Set o New Tables in this Set

-- Release Note Script for flora

No New Entity Classes in this Set

New Entity Types:

lcta_line   **String/Chain**   A transect line where the land condition trends analysis is collected to meet the need for management on military installations.

lcta_point   **Point**   A location where the land condition trends analysis is collected to meet the need for management on military installations

New Tables

flmgtlct   This table contains data about flora habitat Land Condition Trends Analysis

-- Release Note Script for future_projects

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- Release Note Script for geodetic

No New Entity Classes in this Set

New Entity Types:

ngs_survey_monument_point   Point   A permanently monumented
National Geodetic Survey control point (benchmark) constructed with an original
purpose of establishing spatial location in one or more dimensions from a known
reference or datum.

Add the Discriminator Value **TBD** to the Entity Type usgs_quad_area

New Tables:

gdsrvngs   This table contains data about a permanently monumented
National Geodetic Survey control point (benchmark) constructed with an original
purpose of establishing spatial location in one or more dimensions from a known
reference or datum. This table has not been normalized with respect to the SDS
so that data may be transferred to and from NGS databases

-- Release Note Script for geology

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- Release Note Script for hydrography

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- Release Note Script for improvement

No New Entity Classes in this Set

New Entity Types:

bleachers_site   **Point/Polygon**   A typically roofless sectioned of tiered seating,

well_field_site   **Point/Polygon**   An area containing natural resources wells for example oil or gas wells.

Add the Discriminator Value **CROSS** to the Entity Type general_improvement_feature_point

New Tables:

imwelwfd   This table contains data about natural resource well fields, examples of which include oil well fields and gas well fields

-- Release Note Script for land_status

No New Entity Classes in this Set

New Entity Types:

unknown_mining_area   **G/GT Polygon**   A mine of unknown type.

Add the Discriminator Values **GROUNDWATER** and **SOIL** to the Entity Type land_restriction_area

No New Tables in this Set

-- Release Note Script for landform

No New Entity Classes in this Set

No New Entity Types in this Set

Add the Discriminator Values **BREAKLINE**, **DEPR_TICK_INDEX**, **UNKNOWN,** and **DEPR_TICK_INTER** to the Entity Type elevation_contour_line

No New Tables in this Set

-- Release Note Script for military_operations

No New Entity Classes in this Set

New Entity Types:

public_tranportation_route_distance_arc_area   G/GT Polygon   A
quantity distance arc area associated with public transportation routes.

training_site   Point/Polygon   Any area where military training is
conducted

The Entity Types hardened_training_site, military_training_area, noe_training_area and pyro_use_area have been deleted and have become discriminated values for the Entity Type training_site

Add the Discriminator Values **BIVOUAC_SITE, CONFIDENCE, LAND, LEADERSHIP, HARDENED, MILITARY, NOE, OBSCURANT, PYRO, SBC_SITE, SLIDE,** and **WATER** to the Entity Type training_site.

Add the Discriminator Value **MORTAR** to the Entity Type firing_point

New Tables:

mlsftptr   This table contains information about public transportation route distance arcs.

-- Release Note Script for olfactory

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- Release Note Script for soil

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- Release Note Script for transportation

No New Entity Classes in this Set

New Entity Types:

airfield_surface_edge_line   **String/Chain**   The airfield surface edge
of pavement line

pipeline_crossing_site   **Point/Polygon**   A location established for
the crossing of a pipeline by vehicles or foot traffic.

lock_guidewall_area   **G/GT Polygon**   A structure used to guide
boats or ships into a lock chamber or basin.

dock_marking_line   **String/Chain**   A line used to indicate the
presence of a dock.

railroad_crane_track_line   **String/Chain**   The track on which a
railroad crane operates.

vehicle_surface_marking_line **String/Chain**   Surface marking lines,
such as parking stripping, for vehicles.

New Data Tables:

trafivio   This table tracks multiple instances of obstruction violations per obstruction object.

trgenpcs   This table contains information about a location established for the crossing of a pipeline by vehicles or foot traffic.

trhrbmrk   This table contains information about markings placed on piers, docks, mooring facilities, etc. which aid in their use.

trvehmrk   This table contains data about markings placed on roadways, parking areas, driveways, and other surfaces for use by wheeled vehicles which aid in the use of those surfaces.

-- Release Note Script for utilities

New Entity Classes:

utilities_transmission_system Actions or objects related to the long distance transmission of utility services.

New Entity Types:

culvert_site   **Point/Polygon**   A concrete
ditch with a concrete cover used to house piping for various utilities systems.

unknown_tank_site   **Point/Polygon**   A tank with
unknown contents attached to a building or with its own building number.

industrial_waste_rectifier_point   **Point**   A device that
changes alternating current to direct current for an impressed current cathodic
protection system on an element of the distribution system.

industrial_waste_anode_test_station_point **Point**   A central
location where anodes are tested for performance.

industrial_waste_anode_point   **Point**   A material
used for utility distribution systems that is electrically connected to a less
electrolytically active material so that it will oxidize in the place of the less active
material.

saltwater_rectifier_point   **Point**   A device that
changes alternating current to direct current for an impressed current cathodic
protection system on an element of the distribution system.

saltwater_anode_test_station_point   **Point**   A central
location where anodes are tested for performance.

saltwater_anode_point   **Point**   A material
used for utility distribution systems that is electrically connected to a less
electrolytically active material so that it will oxidize in the place of the less active
material.

refinery_site   **Point/Polygon**   An
establishment where fossil fuels are refined.

pipeline_segment_line   **String/Chain**   A linear
feature representing part or all of a pipeline system. A pipeline segment must
have only two ends. No branches are allowed. A pipeline segment may be a

straight line or may have any number of vertices. Each pipeline segment must be uniquely identified. The number of pipeline segments should be kept to the minimum needed to represent a pipeline

pipe_line **String/Chain** A transmission line through which gas, oil, or hazardous liquid is transported for the purpose of supplying a local utility.

wastewater_rectifier_point **Point** A device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the distribution system.

wastewater_anode_test_station_point **Point** A central location where anodes are tested for performance.

wastewater_anode_point **Point** A material used for utility distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material.

Add the Discriminator Values **TBD** and **UNKNOWN** to the Entity Type utility_pole_tower_point

Add the Discriminator Values **AA**, **CO2, CRD, EMP, HG, HVL, LPG, NG, NGL,** and **PRD** to the Entity Type pipe_line

New Data Tables:

utgenutk This table contains data about a tank with unknown contents attached to a building or with its own building number

utinwand This table contains data about a material used for utility distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material.

utinwant This table contains information about a centralized point where anodes are tested.

utinwrec This table contains information about a device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the distribution system.

utswtand   This table contains information about a material used for utility distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material.

utswtant   This table contains information about a central location where anodes are tested for performance.

utswtrec   This table contains information about a device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the distribution system.

uttxspip   This table contains data about an utilities transmission system pipe.

uttxsref   This table contains information about refineries.

uttxsseg   This table contains information about pipeline segments.

utwwtand   This table contains information about a material used for utility distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material.

utwwtant   This table contains information about a central location where anodes are tested for performance.

utwwtrec   This table contains information a device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the distribution system.

-- Release Note Script for visual

No New Entity Classes in this Set

No New Entity Types in this Set

No New Tables in this Set

-- DBA Note Script for Current Release

TABLE NAME	DEFINITION
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cdplsnod	This table contains data about Public Land Survey System nodes.
cdplsqtr	This table contains data about Public Land Survey System quarter section areas.
cdreltra	This table contains information about the bearings and distances used to describe either a closed or open traverse.
cmgenevt	This table contains information about events.
crgenevt	This table contains information about a cultural occurence..
ehhmwmsl	This table contains information about the controlled location of spent munitions or pieces of munitions.
ehsitrmu	This table contains information about a geographic area either currently or formerly used for rifle training activities which is managed and monitored for compliance with environmental laws and regulations.
flmgtlct	This table contains data about flora habitat Land Condition Trends Analysis
gdsrvngs	This table contains data about a permanently monumented National Geodetic Survey control point (benchmark) constructed with an original purpose of establishing spatial location in one or more dimensions from a known reference or datum. This table has not been normalized with respect to the SDS so that data may be transferred to and from NGS databases easily.
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trafivio	This table tracks multiple instances of obstruction violations per obstruction object.
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TABLE NAME	DEFINITION
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utinwant	This table contains information about a centralized point where anodes are tested.
utinwrec	This table contains information about a device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the distribution system.
utswtand	This table contains information about a material used for utility distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material.
utswtant	This table contains information about a central location where nodes are tested for performance.
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utwwtant	This table contains information about a central location where anodes are tested for performance.
utwwtrec	This table contains information a device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the distribution system.

Deleted Tables:

ehmuwmsl This non-graphic table has been replaced by a graphic table for a contained munitions storage location.

Added Attributes: (Existing Tables)

In Table	bdjurpol	Add Attribute	sub_region
In Table	bdjurpol	Add Attribute	country_d
In Table	bggenstr	Add Attribute	buildng_no
In Table	bggenstr	Add Attribute	facil_no
In Table	cddodins	Add Attribute	agency_d
In Table	cdplsmdl	Add Attribute	lngth
In Table	cdplsmdl	Add Attribute	length_u_d
In Table	cdplssea	Add Attribute	sectid
In Table	cdplssea	Add Attribute	range_num
In Table	cdplssea	Add Attribute	sectuserid
In Table	cdplssea	Add Attribute	gcdbcovrid
In Table	cdplssea	Add Attribute	state_d
In Table	cdplssea	Add Attribute	range_dir
In Table	cdplssea	Add Attribute	tierfrac_d
In Table	cdplssea	Add Attribute	prinmer_d
In Table	cdplssea	Add Attribute	rangfrac_d
In Table	cdplssea	Add Attribute	twndup_d
In Table	cdplssea	Add Attribute	sec_dup_d
In Table	cdplssea	Add Attribute	quarters_d
In Table	cdplssea	Add Attribute	township
In Table	cdplssea	Add Attribute	tierdir_d
In Table	cdplssea	Add Attribute	tier_num
In Table	cdplssub	Add Attribute	survey_no
In Table	cdplssub	Add Attribute	surtyp_d
In Table	cdplssub	Add Attribute	quarters_d
In Table	cdplssub	Add Attribute	nom_loc_d
In Table	cdplssub	Add Attribute	qtruserid
In Table	cdplssub	Add Attribute	qtrid
In Table	cdplssub	Add Attribute	gcdbcovrid
In Table	cdplssub	Add Attribute	tierfrac_d
In Table	cdplssub	Add Attribute	range_num
In Table	cdplssub	Add Attribute	longitude
In Table	cdplssub	Add Attribute	state_d
In Table	cdplssub	Add Attribute	acreage
In Table	cdplssub	Add Attribute	survey_not
In Table	cdplssub	Add Attribute	prinmer_d
In Table	cdplssub	Add Attribute	tier_no
In Table	cdplssub	Add Attribute	tierdir_d
In Table	cdplssub	Add Attribute	rangfrac_d
In Table	cdplssub	Add Attribute	range_dir
In Table	cdplssub	Add Attribute	latitude
In Table	cdplssub	Add Attribute	survey_suf

In Table	cdplssub	Add Attribute	sec_no
In Table	cdplssub	Add Attribute	twndup_d
In Table	cdplstwn	Add Attribute	tierfrac_d
In Table	cdplstwn	Add Attribute	tierdir_d
In Table	cdplstwn	Add Attribute	twpid
In Table	cdplstwn	Add Attribute	gcdbcovid
In Table	cdplstwn	Add Attribute	twpuserid
In Table	cdplstwn	Add Attribute	prinmer_d
In Table	cdplstwn	Add Attribute	rangfrac_d
In Table	cdplstwn	Add Attribute	twndup_d
In Table	cdplstwn	Add Attribute	township
In Table	cdplstwn	Add Attribute	tier_num
In Table	cdrelacq	Add Attribute	file_no
In Table	cdrelacq	Add Attribute	juris_d
In Table	cdrelpar	Add Attribute	agency_d
In Table	cmgenfac	Add Attribute	country_d
In Table	cmgenfcc	Add Attribute	bas_cat_d
In Table	cmgenobs	Add Attribute	gen_evt_id
In Table	cmgenpoc	Add Attribute	date_last
In Table	cmgenprj	Add Attribute	altprjnum
In Table	cmgenprj	Add Attribute	priority
In Table	cmgenprj	Add Attribute	fim_area_d
In Table	cmmedmed	Add Attribute	fmt_name_d
In Table	ehefmsam	Add Attribute	ltccode_d
In Table	ehempscf	Add Attribute	insp_date
In Table	ehempscf	Add Attribute	date_acqrd
In Table	ehempscf	Add Attribute	ainv_elv
In Table	ehempscf	Add Attribute	date_maint
In Table	ehempscf	Add Attribute	fuel_typ_d
In Table	ehempscf	Add Attribute	ovrflw_elv
In Table	ehempscf	Add Attribute	soil_id
In Table	ehempscf	Add Attribute	vol_u_d
In Table	ehempscf	Add Attribute	vol_capac
In Table	ehempscf	Add Attribute	elev_u_d
In Table	ehempscf	Add Attribute	dispostn_d
In Table	ehenmpph	Add Attribute	pphase_d
In Table	ehenmpph	Add Attribute	poc_id
In Table	ehenmpph	Add Attribute	act_cost
In Table	ehenmpph	Add Attribute	est_cost
In Table	ehenmpph	Add Attribute	contrct_id
In Table	ehenmpph	Add Attribute	contr_id
In Table	ehenmpph	Add Attribute	rem_typ_d
In Table	ehenmpph	Add Attribute	hazproj_id
In Table	ehmumbwm	Add Attribute	munstor_id

In Table	ehmumcem	Add Attribute	munstor_id
In Table	ehmumchm	Add Attribute	munstor_id
In Table	ehmumrmm	Add Attribute	munstor_id
In Table	ehmuwbww	Add Attribute	munstor_id
In Table	ehmuwcww	Add Attribute	munstor_id
In Table	ehmuwoew	Add Attribute	munstor_id
In Table	ehmuwrmw	Add Attribute	munstor_id
In Table	ehsitirp	Add Attribute	pol_src_d
In Table	ehsitirp	Add Attribute	rel_typ_d
In Table	ehsitirp	Add Attribute	tox_stt_d
In Table	ehsitirp	Add Attribute	rem_req_d
In Table	ehsitirp	Add Attribute	severity_d
In Table	ehsitirp	Add Attribute	cause_d
In Table	ehsitirp	Add Attribute	rem_urg_d
In Table	gdsrvmnt	Add Attribute	ref_bearng
In Table	gdsrvmnt	Add Attribute	img_set_id
In Table	gdsrvmnt	Add Attribute	ref_grdist
In Table	gdsrvmnt	Add Attribute	ref_az_mk
In Table	gdsrvmnt	Add Attribute	cfact_slev
In Table	gdsrvmnt	Add Attribute	cf_grscale
In Table	gdsrvmnt	Add Attribute	cf_to_conv
In Table	gdsrvmnt	Add Attribute	bearng_u_d
In Table	geteceqe	Add Attribute	gen_evt_id
In Table	geteievn	Add Attribute	gen_evt_id
In Table	hyflpfev	Add Attribute	gen_evt_id
In Table	immacgel	Add Attribute	sur_crs_id
In Table	immacgel	Add Attribute	river_mile
In Table	imwelnat	Add Attribute	wellfld_id
In Table	imwelwel	Add Attribute	wellfld_id
In Table	lfhypcnt	Add Attribute	feat_len
In Table	lsgenmin	Add Attribute	dispostn_d
In Table	lsmgtdsp	Add Attribute	dpthmnt_id
In Table	mltngtrg	Add Attribute	type_d
In Table	mltngtrg	Add Attribute	narrative
In Table	trairapz	Add Attribute	air_sur_id
In Table	trairobs	Add Attribute	narrative
In Table	trairobs	Add Attribute	airfld_id
In Table	trairobs	Add Attribute	air_vio_id
In Table	trairobs	Add Attribute	dispostn_d
In Table	trairobs	Add Attribute	obs_stt_d
In Table	trairobs	Add Attribute	obs_typ_d
In Table	trairobs	Add Attribute	obs_number
In Table	trairobs	Add Attribute	dim_u_d
In Table	trairobs	Add Attribute	offbase_d

In Table	trairobs	Add Attribute	fim_d
In Table	trairobs	Add Attribute	area_u_d
In Table	trairobs	Add Attribute	poc_id
In Table	trairobs	Add Attribute	feat_wid
In Table	trairobs	Add Attribute	orm_haz_d
In Table	trairobs	Add Attribute	remark
In Table	trairobs	Add Attribute	project_id
In Table	trairobs	Add Attribute	justif
In Table	trairobs	Add Attribute	feat_len
In Table	trairobs	Add Attribute	safe_pre_d
In Table	trairobs	Add Attribute	remediat_d
In Table	trairobs	Add Attribute	frangibl_d
In Table	trairobs	Add Attribute	faa_d
In Table	trairsur	Add Attribute	sur_lin_d
In Table	trairzon	Add Attribute	air_sur_id
In Table	trlocgwl	Add Attribute	area_u_d
In Table	trlocgwl	Add Attribute	perim
In Table	trlocgwl	Add Attribute	perim_u_d
In Table	trlocgwl	Add Attribute	area_size
In Table	trpedbrg	Add Attribute	architect
In Table	trpedbrg	Add Attribute	dispostn_d
In Table	trrrdbrg	Add Attribute	dispostn_d
In Table	trvehrcl	Add Attribute	cln_src_d
In Table	utelievt	Add Attribute	gen_evt_id
In Table	utfuland	Add Attribute	fulpipe_id
In Table	utfultnk	Add Attribute	empscf_id
In Table	utgasand	Add Attribute	gaspipe_id
In Table	utgenclv	Add Attribute	dispostn_d
In Table	utgenclv	Add Attribute	coord_y
In Table	utgenclv	Add Attribute	elv_u_d
In Table	utgenclv	Add Attribute	feat_name
In Table	utgenclv	Add Attribute	drng_zone
In Table	utgenclv	Add Attribute	drng_tex_d
In Table	utgenclv	Add Attribute	drng_pat_d
In Table	utgenclv	Add Attribute	coord_z
In Table	utgenclv	Add Attribute	buildng_id
In Table	utgenclv	Add Attribute	lined_d
In Table	utgenclv	Add Attribute	gat_type_d
In Table	utgenclv	Add Attribute	area_u_d
In Table	utgenclv	Add Attribute	stodcrg_id
In Table	utgenclv	Add Attribute	inv_elv_1
In Table	utgenclv	Add Attribute	inv_elv_2
In Table	utgenclv	Add Attribute	date_acqrd
In Table	utgenclv	Add Attribute	area_size

In Table	utgenclv	Add Attribute	owner_id
In Table	utgenclv	Add Attribute	perim
In Table	utgenclv	Add Attribute	project_id
In Table	utgenclv	Add Attribute	narrative
In Table	utgenclv	Add Attribute	coord_x
In Table	utgenclv	Add Attribute	mat_d
In Table	utgenclv	Add Attribute	stostat_id
In Table	utgenclv	Add Attribute	perim_u_d
In Table	utgenclv	Add Attribute	basin_id
In Table	utgenclv	Add Attribute	manuf_id
In Table	utgenclv	Add Attribute	culv_lgth
In Table	utgenclv	Add Attribute	slope_bot
In Table	utgenclv	Add Attribute	slope_u_d
In Table	utgenclv	Add Attribute	stosect_id
In Table	utgenclv	Add Attribute	sur_crs_id
In Table	utgenclv	Add Attribute	dim_u_d
In Table	utgenclv	Add Attribute	model_no
In Table	uthcsand	Add Attribute	hcspipe_id
In Table	utwatand	Add Attribute	watpipe_id

Deleted Attributes

In Table	ehmumbwm	Add Attribute	munsto_id	NOTE 1
In Table	ehmumcem	Add Attribute	munsto_id	NOTE 1
In Table	ehmumchm	Add Attribute	munsto_id	NOTE 1
In Table	ehmumrmm	Add Attribute	munsto_id	NOTE 1
In Table	ehmuwbww	Add Attribute	munsto_id	NOTE 1
In Table	ehmuwcww	Add Attribute	munsto_id	NOTE 1
In Table	ehmuwoew	Add Attribute	munsto_id	NOTE 1
In Table	ehmuwrmw	Add Attribute	munsto_id	NOTE 1

NOTE 1: Replaced by attribute munstor_id

Data Length Changes

TABLE NAME	ATTRIBUTE NAME	OLD LENGTH	NEW LENGTH
trvehrcl	alt_name	30	35
trvehrcl	feat_name	30	40
cmmedmed	media_type	2	20
cdplstwn	range_frac	16	20

New List Domain Tables

air obstruction - safety	d_sftpre	Allowable values for air space obstruction safety precautions in effect.
air obstruction - status	d_aobsst	Allowable values for airspace obstruction record status.
airspace obstruction - distance	d_distbs	Allowable values for base point of air space obstruction location measurement.
airspace obstruction - fim rate	d_fimrte	The allowable values for Facility Impact
airspace obstruction - orm haz	d_ormhaz	Allowable values for air space obstruction hazard ranking.
cadastre - blm gcdb line type	d_lnetyp	This domain defines the line types used in the BLM's Geographic Coordinate Database
cadastre - blm survey type	d_surtyp	This domain contains U.S. Bureau of Land Management Public Land Survey System descriptor code for the type of survey.
cadastre - nominal location	d_nomloc	This domain contains the U.S. Bureau of Land Management Public Land Survey System descriptor code for the nominal location of the subsection.area within the
cadastre - principal meridian	d_primer	The domain reflest the values found in the Principal Meridians domain of the BLM Domains and Validation Appendices
cadastre - quarter section	d_qtrsec	This domain contains the reference for the location of the BLM quarter section.
cadastre - tier direction	d_tierdr	The Tier direction as defined in the BLM Domains and Validations Appendices.
cadastre - tier fractional code	d_tierfr	This domain contains Tier Fractional Codes as defined by the BLM Domains & Validations Appendices page B-18
cadastre - township duplication	d_twndup	This domain contains valid values for township duplication as defined in the BLM's
facility - basic category code	d_facbas	The types of basic facilities, concatenated from Facility Class Code, as defined within
facility - country code	d_faccou	The code indicating the name of the country where the subject item is located
flora - lcta inventory type	d_invtyp	This domain contains approved lcta
geodetic - ngs magnetic char	d_ngsmag	This domain contains code designations for the magnetic characteristics of National Geodetic Survey (NGS) markers.
geodetic - ngs marker stability	d_ngsstb	This domain contains the code designations for the National Geodetic Survey (NGS)
geodetic - ngs marker type	d_ngsmrk	This domain contains code designations for the National Geodetic Survey (NGS) marker

geodetic - ngs setting	d_ngsset	This domain contains code designations for the National Geodetic Survey (NGS) marker setting types.
military - training area type	d_miltra	The types of military training areas.
obstruc - fac invs met rate area	d_fimare	A code indicating the Facility Investment Metric Impact Rating Area
real estate - jurisdiction	d_juris	This domain defines the type of legal jurisdiction within a boundary.
transportation- vehicle mark	d_trvhmk	This domain specifies types of vehicle surface marking lines.
type list - air space surface	d_tysurf	The allowable values for airfield imaginary surface type code.
type list - airspace obstruction	d_aobsty	Allowable values for air space obstructions.
type list - centerline source	d_clnsrc	This domain contains the source of the centerline data.
type list - surface line	d_surlin	This domain contain the types of surface
type list - well field	d_wfldty	The domains contains information about the type of natural resource being pumped or that was formerly pumped from the well field
utility - pipeline product	d_piprod	Products carried by a utility transmission
utility - pos accuracy quality	d_poqual	Estimated positional accuracy of the feature.

Deleted Domains

status list - bridge   d_bdgstt

New Values in Existing Domains

In Domain Table	d_vrtacc	Add Value	SECOND_0
In Domain Table	d_estype	Add Value	RMU
In Domain Table	d_pphase	Add Value	IA
In Domain Table	d_pphase	Add Value	PR
In Domain Table	d_pphase	Add Value	REMEDIATION
In Domain Table	d_acqest	Add Value	AGREEMENT
In Domain Table	d_acqest	Add Value	TRANSFER
In Domain Table	d_hrzacc	Add Value	A
In Domain Table	d_hrzacc	Add Value	SECOND
In Domain Table	d_metolm	Add Value	V
In Domain Table	d_vrtacc	Add Value	FIRST_0
In Domain Table	d_erscat	Add Value	SWMU
In Domain Table	d_vrtacc	Add Value	THIRD_0
In Domain Table	d_vrtacc	Add Value	FIRST_UNK
In Domain Table	d_vrtacc	Add Value	SECOND_UNK
In Domain Table	d_vrtacc	Add Value	THIRD_UNK
In Domain Table	d_lndfrm	Add Value	PINGO
In Domain Table	d_methdn	Add Value	HARN
In Domain Table	d_metolm	Add Value	C
In Domain Table	d_states	Add Value	ES
In Domain Table	d_hrzacc	Add Value	THIRD
In Domain Table	d_morfac	Add Value	ACCESS_RAMP
In Domain Table	d_cmfac	Add Value	I
In Domain Table	d_cmfac	Add Value	L
In Domain Table	d_cmfac	Add Value	U
In Domain Table	d_cnttyp	Add Value	BREAKLINE
In Domain Table	d_cnttyp	Add Value	DEPR_TICK_INDEX
In Domain Table	d_cnttyp	Add Value	DEPR_TICK_INTER
In Domain Table	d_cnttyp	Add Value	UNKNOWN
In Domain Table	d_dfptyp	Add Value	MORTAR
In Domain Table	d_erscat	Add Value	RCRA
In Domain Table	d_impfet	Add Value	CROSS
In Domain Table	d_erscat	Add Value	CERCLA
In Domain Table	d_dpole	Add Value	TBD
In Domain Table	d_dpole	Add Value	UNKNOWN
In Domain Table	d_lndres	Add Value	GROUNDWATER
In Domain Table	d_lndres	Add Value	SOIL
In Domain Table	d_dstrst	Add Value	EXISTING
In Domain Table	d_qudtyp	Add Value	TBD
In Domain Table	d_dpobj	Add Value	IN_SERVICE
In Domain Table	d_dpobj	Add Value	RETIRED

In Domain Table	d_metolm	Add Value	02
In Domain Table	d_govtyp	Add Value	PREFECTURE
In Domain Table	d_agency	Add Value	AIR_FORCE_LEASE
In Domain Table	d_tyfund	Add Value	3080
In Domain Table	d_reclin	Add Value	ATH_FIELD_MARK
In Domain Table	d_reclin	Add Value	ATH_COURT_MARK
In Domain Table	d_strtpe	Add Value	SHED
In Domain Table	d_strtpe	Add Value	GARAGE
In Domain Table	d_uom	Add Value	US_SURVEY_FT
In Domain Table	d_uom	Add Value	INTERNATIONAL_FT
In Domain Table	d_mgtuse	Add Value	DEMOLITION
In Domain Table	d_metolm	Add Value	M
In Domain Table	d_agency	Add Value	AIR_FORCE
In Domain Table	d_brgtyp	Add Value	OTHER
In Domain Table	d_agency	Add Value	ARMY
In Domain Table	d_agency	Add Value	ARMY_LEASE
In Domain Table	d_agency	Add Value	COAST_GUARD
In Domain Table	d_agency	Add Value	CG_LEASE
In Domain Table	d_agency	Add Value	MARINE
In Domain Table	d_agency	Add Value	MARINE_LEASE
In Domain Table	d_agency	Add Value	NAVY
In Domain Table	d_agency	Add Value	NAVY_LEASE
In Domain Table	d_agency	Add Value	DOD_RELEASED
In Domain Table	d_brgtyp	Add Value	GIRDER_FLOORBEAM
In Domain Table	d_metpkt	Add Value	OTHER
In Domain Table	d_datsrc	Add Value	NGS
In Domain Table	d_struse	Add Value	GARAGE
In Domain Table	d_struse	Add Value	SALT_SAND_SHED
In Domain Table	d_struse	Add Value	COLD_STORAGE
In Domain Table	d_struse	Add Value	HEATED_STORAGE
In Domain Table	d_struse	Add Value	OFFICE
In Domain Table	d_brgtyp	Add Value	COVERED
In Domain Table	d_tyfund	Add Value	HNF
In Domain Table	d_brgtyp	Add Value	STRNGR_MULTIBM
In Domain Table	d_tyfund	Add Value	INHOUSE
In Domain Table	d_brgtyp	Add Value	TEE_BEAM
In Domain Table	d_brgtyp	Add Value	BXBM_GRDRS_MULTI
In Domain Table	d_brgtyp	Add Value	BXBM_GRDRS_SNGL
In Domain Table	d_brgtyp	Add Value	FRAME_EXCPT_CULV
In Domain Table	d_brgtyp	Add Value	ORTHOTROPIC
In Domain Table	d_brgtyp	Add Value	TRUSS_DECK
In Domain Table	d_brgtyp	Add Value	TRUSS_THRU
In Domain Table	d_brgtyp	Add Value	UNCLASSIFIED
In Domain Table	d_wtscls	Add Value	7_VEGETATED

In Domain Table	d_brgtyp	Add Value	SLAB

Domain Value Changes

In Domain Table	d_wtcls	Change	8_UNKNOWN	To	UNKNOWN
In Domain Table	d_wtcls	Change	8_TBD	To	TBD
In Domain Table	d_wtcls	Change	1_AQUAT_MOSS	To	2_AQUAT_MOSS
In Domain Table	d_wtcls	Change	RB_ROCK_SHORE	To	RS_ROCK_SHORE